

SEQUENCE LISTING

<110> Selsted, Micheal E.

Tang, Yi-Quan

Yuan, Jun

The Regents of the University of California

<120> Antimicrobial Theta Defensins and Methods of Using Same

<130> P-UC 5042

<140> US 10/009,317

<141> 2000-05-10

<150> US 09/309,482

<151> 1999-05-10

<150> PCT/US00/12842

<151> 2000-05-10

<160> 34

<170> PatentIn Ver. 2.0

<210> 1

<211> 18

<212> PRT

<213> Macaca mulatta

<400> 1

Gly Phe Cys Arg Cys Leu Cys Arg Arg Gly Val Cys Arg Cys Ile Cys

1

5

10

15

Thr Arg

<210> 2

<211> 4

<212> PRT

<213> Macaca mulatta

<400> 2

Gly Phe Cys Arg

1

<210> 3

<211> 4
<212> PRT
<213> Macaca mulatta

<400> 3
Cys Arg Cys Leu
1

<210> 4
<211> 4
<212> PRT
<213> Macaca mulatta

<400> 4
Cys Leu Cys Arg
1

<210> 5
<211> 6
<212> PRT
<213> Macaca mulatta

<400> 5
Cys Arg Arg Gly Val Cys
1 5

<210> 6
<211> 5
<212> PRT
<213> Macaca mulatta

<400> 6
Arg Gly Val Cys Arg
1 5

<210> 7
<211> 8
<212> PRT
<213> Macaca mulatta

<400> 7
Arg Cys Ile Cys Thr Arg Gly Phe
1 5

<210> 8
<211> 5
<212> PRT
<213> Macaca mulatta

<400> 8
Cys Ile Cys Thr Arg
1 5

<210> 9
<211> 18
<212> PRT
<213> Macaca mulatta

<400> 9
Thr Arg Gly Phe Cys Arg Cys Leu Cys Arg Arg Gly Val Cys Arg Cys
1 5 10 15

Ile Cys

<210> 10
<211> 30
<212> PRT
<213> Chassalia parviflora

<400> 10
Asn Lys Val Cys Tyr Arg Asn Gly Ile Pro Cys Gly Glu Ser Cys Val
1 5 10 15

Trp Ile Pro Cys Ile Ser Ala Ala Leu Gly Cys Ser Cys Lys
20 25 30

<210> 11
<211> 18
<212> PRT
<213> Sus scrofa

<400> 11
Arg Gly Gly Arg Leu Cys Tyr Cys Arg Arg Arg Phe Cys Val Cys Val
1 5 10 15

Gly Arg

<210> 12
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 12
 Val Cys Ser Cys Arg Leu Val Phe Cys Arg Arg Thr Glu Leu Arg Val
 1 5 10 15
 Gly Asn Cys Leu Ile Gly Gly Val Ser Phe Thr Tyr Cys Cys
 20 25 30

<210> 13
 <211> 500
 <212> DNA
 <213> Macaca mulatta

<220>
 <221> CDS
 <222> (95)..(325)

<400> 13
 gacggctgct gttgctacag gagaccagg acagaggact gctgtctgca ctctctcttc 60
 actctgccta acttgaggat ctgtcactcc agcc atg agg acc ttc gcc ctc ctc 115
 Met Arg Thr Phe Ala Leu Leu
 1 5
 acc gcc atg ctt ctc ctg gtg gcc ctg cac gct cag gca gag gca cgt 163
 Thr Ala Met Leu Leu Leu Val Ala Leu His Ala Gln Ala Glu Ala Arg
 10 15 20
 cag gca aga gct gat gaa gct gcc gcc cag cag cag cct gga aca gat 211
 Gln Ala Arg Ala Asp Glu Ala Ala Ala Gln Gln Gln Pro Gly Thr Asp
 25 30 35
 gat cag gga atg gct cat tcc ttt aca tgg cct gaa aac gcc gct ctt 259
 Asp Gln Gly Met Ala His Ser Phe Thr Trp Pro Glu Asn Ala Ala Leu
 40 45 50 55
 cca ctt tca gag tca gcg aaa ggc ttg agg tgc att tgc aca cga gga 307
 Pro Leu Ser Glu Ser Ala Lys Gly Leu Arg Cys Ile Cys Thr Arg Gly
 60 65 70
 ttc tgc cgt ttg tta taa tgtcaccttg ggtcctgcgc ttttcgtggt 355

Phe Cys Arg Leu Leu
75

tgactccacc ggatctgctg ccgctgagct tccagaatca agaaaaatat gctcagaagt 415

tactttgaga gttaaaagaa attcttgcta ctgctgtacc ttctcctcag tttccttttc 475

tcattcccaaa taaatacctt atcgc 500

<210> 14

<211> 76

<212> PRT

<213> Macaca mulatta

<400> 14

Met Arg Thr Phe Ala Leu Leu Thr Ala Met Leu Leu Leu Val Ala Leu
1 5 10 15

His Ala Gln Ala Glu Ala Arg Gln Ala Arg Ala Asp Glu Ala Ala Ala
20 25 30

Gln Gln Gln Pro Gly Thr Asp Asp Gln Gly Met Ala His Ser Phe Thr
35 40 45

Trp Pro Glu Asn Ala Ala Leu Pro Leu Ser Glu Ser Ala Lys Gly Leu
50 55 60

Arg Cys Ile Cys Thr Arg Gly Phe Cys Arg Leu Leu
65 70 75

<210> 15

<211> 495

<212> DNA

<213> Macaca mulatta

<220>

<221> CDS

<222> (90)..(320)

<400> 15

gaccgctgct cttgctacag gagaccggg acagaggact gctgtctgcc ctctctcttc 60

actctgccta acttgaggat ctgccagcc atg agg acc ttc gcc ctc ctc acc 113
Met Arg Thr Phe Ala Leu Leu Thr
1 5

gcc atg ctt ctc ctg gtg gcc ctg cac gct cag gca gag gca cgt cag 161
 Ala Met Leu Leu Leu Val Ala Leu His Ala Gln Ala Glu Ala Arg Gln
 10 15 20

gca aga gct gat gaa gct gcc gcc cag cag cag cct gga gca gat gat 209
 Ala Arg Ala Asp Glu Ala Ala Ala Gln Gln Gln Pro Gly Ala Asp Asp
 25 30 35 40

cag gga atg gct cat tcc ttt aca cgg cct gaa aac gcc gct ctt ccg 257
 Gln Gly Met Ala His Ser Phe Thr Arg Pro Glu Asn Ala Ala Leu Pro
 45 50 55

ctt tca gag tca gcg aga ggc ttg agg tgc ctt tgc aga cga gga gtt 305
 Leu Ser Glu Ser Ala Arg Gly Leu Arg Cys Leu Cys Arg Arg Gly Val
 60 65 70

tgc caa ctg tta taa aggcgtttgg ggtcctgcgc ttttcgtggt tgactctgcc 360
 Cys Gln Leu Leu
 75

ggatctgctg ccgctgagct tccagaatca agaaaaatac gctcagaagt tactttgaga 420

gttgaaagaa attcctgtta ctctgtacc ttgtcctcaa tttccttttc tcatcccaaa 480

taaatacctt ctgc 495

<210> 16

<211> 76

<212> PRT

<213> Macaca mulatta

<400> 16

Met Arg Thr Phe Ala Leu Leu Thr Ala Met Leu Leu Leu Val Ala Leu
 1 5 10 15

His Ala Gln Ala Glu Ala Arg Gln Ala Arg Ala Asp Glu Ala Ala Ala
 20 25 30

Gln Gln Gln Pro Gly Ala Asp Asp Gln Gly Met Ala His Ser Phe Thr
 35 40 45

Arg Pro Glu Asn Ala Ala Leu Pro Leu Ser Glu Ser Ala Arg Gly Leu
 50 55 60

Arg Cys Leu Cys Arg Arg Gly Val Cys Gln Leu Leu
 65 70 75

<210> 17
<211> 27
<212> DNA
<213> Macaca mulatta

<220>
<221> CDS
<222> (1)..(27)

<400> 17
agg tgc att tgc aca cga gga ttc tgc
Arg Cys Ile Cys Thr Arg Gly Phe Cys
1 5

27

<210> 18
<211> 9
<212> PRT
<213> Macaca mulatta

<400> 18
Arg Cys Ile Cys Thr Arg Gly Phe Cys
1 5

<210> 19
<211> 27
<212> DNA
<213> Macaca mulatta

<220>
<221> CDS
<222> (1)..(27)

<400> 19
agg tgc ctt tgc aga cga gga gtt tgc
Arg Cys Leu Cys Arg Arg Gly Val Cys
1 5

27

<210> 20
<211> 9
<212> PRT
<213> Macaca mulatta

<400> 20
Arg Cys Leu Cys Arg Arg Gly Val Cys

1

5

<210> 21

<211> 92

<212> PRT

<213> Macaca mulatta

<400> 21

Met Arg Thr Phe Ala Leu Leu Thr Ala Met Leu Leu Leu Val Ala Leu
1 5 10 15

His Ala Gln Ala Glu Ala Arg Gln Ala Arg Ala Asp Glu Ala Ala Ala
20 25 30

Gln Gln Gln Pro Gly Thr Asp Asp Gln Gly Met Ala His Ser Phe Thr
35 40 45

Trp Pro Glu Asn Ala Ala Leu Pro Leu Ser Glu Ser Ala Lys Gly Leu
50 55 60

Arg Cys Ile Cys Thr Arg Gly Phe Cys Arg Leu Leu Cys His Leu Gly
65 70 75 80

Ser Cys Ala Phe Arg Gly Leu His Arg Ile Cys Cys
85 90

<210> 22

<211> 92

<212> PRT

<213> Macaca mulatta

<400> 22

Met Arg Thr Phe Ala Leu Leu Thr Ala Met Leu Leu Leu Val Ala Leu
1 5 10 15

His Ala Gln Ala Glu Gln Arg Gln Ala Arg Ala Asp Glu Ala Ala Ala
20 25 30

Gln Gln Gln Pro Gly Ala Asp Asp Gln Gly Met Ala His Ser Phe Thr
35 40 45

Arg Pro Glu Asn Ala Ala Leu Pro Leu Ser Glu Ser Ala Arg Gly Leu
50 55 60

Arg Cys Leu Cys Arg Arg Gly Val Cys Gln Leu Leu Arg Arg Leu Gly
65 70 75 80

Ser Cys Ala Phe Arg Gly Leu Cys Arg Ile Cys Cys
85 90

<210> 23
<211> 97
<212> PRT
<213> Macaca mulatta

<400> 23
Met Arg Ile Ile Ala Leu Leu Ala Ala Ile Leu Leu Val Ala Leu Gln
1 5 10 15

Val Arg Ala Gly Pro Leu Gln Ala Arg Gly Asp Glu Ala Pro Gly Gln
20 25 30

Glu Gln Arg Gly Pro Glu Asp Gln Asp Ile Ser Ile Ser Phe Ala Trp
35 40 45

Asp Lys Ser Ser Ala Leu Gln Val Ser Gly Ser Thr Arg Gly Met Val
50 55 60

Cys Ser Cys Arg Leu Val Phe Cys Arg Arg Thr Glu Leu Arg Val Gly
65 70 75 80

Asn Cys Leu Ile Gly Gly Val Ser Phe Thr Tyr Cys Cys Thr Arg Val
85 90 95

Asp

<210> 24
<211> 2523
<212> DNA
<213> Macaca mulatta

<400> 24
gacggctgct gttgctacag gagacccagg acagaggact gctgtctgca ctctctcttc 60
actctgccta acttgaggat ctgtaagtaa cacaaaactt aaactttcct gtcgaggttt 120
gaacattgaa gctgtgcccc taatctgacc tgtgactcct gggccacccc agagagacct 180
agtgggtgaa tcccctgctg tgcattttctg tctgaacctc tgggggctgc tgggagcatt 240
ggctaccagc tcaattaata gagaaactca aggaatttcc ttctaattac atgtgtccta 300

cttgacacat ccaacagaga caacaatagc tccttaaaac acccttttgt ttggagagaa 360
 gccaatccag atcctoggcc tgtttttcaa tcagggttatt tgttatttac tattgagttg 420
 ttigactgcc ttatgtattt agatatttac cccttctacc acttaggatt tgcaactatc 480
 gtctttcatt ttctgggttg ctttttcact cagttgatta tttgtttgtt ggttttttga 540
 cgtgcagatg ctttagaggt cagtgcagcc ccacttgcct cttttcccat ttattgcctg 600
 tgtctttggg gtcatagcaa agatatcatt accaacaatca atgtcaaagc gtcacattca 660
 tatattcctc tcgtcgtttt atggtttcag gtctatgttt gggctctcaa tccatttgag 720
 ttgatttggt tatatagata tgataaggcc acatgtatca aacatcaaat cctaagggtg 780
 agacagagat atataccatt ttaatcttat tcacatctct atagagctgg aaacaaattt 840
 ttggctgtag atgaactttt tacctcgata tgtcagtgtt catttcacct atcatatgat 900
 agggtcattg ttctcttcac actggcccct acaggaggct actcaccca tgccttcggg 960
 agtgtggtca agcccttgat gcctccaata aatgactctt tacttgatag gaaatcatac 1020
 ctgctgccag agtgtagacc tacagagagt agtagggcca tctgcaggaa gagacatttg 1080
 tcgcctgacc tcattgaata aaatcactgc tgttatcctt tgctagaaga gttaaagta 1140
 aatatttcgt aaagtgagaa acaggaatcc tcatcatcat cctcatcaaa ccagcacaga 1200
 cactaaacat agagattcaa actagagtga aagctgggag accaaaagaa gaaaacatgg 1260
 acattgagac caatgggatc ccacacaatc tccagtgaat tgcacacctc ctctctctga 1320
 gaaggttcaa ggtttcctgt ctctgagcct cctctctgca gacatagaaa tccagactaa 1380
 ctctctctc ccgacttgct cgctcctgct ctgcctcttc caggtcactc cagccatgag 1440
 gaccttcgcc ctctcaccg ccattgcttct cctggtggcc ctgcacgctc aggagagggc 1500
 acgtcaggca agagctgatg aagctgccgc ccagcagcag cctggaacag atgatcaggg 1560
 aatggctcat tcctttacat ggctgaaaa cgccgctctt ccactttcag gtgagacagg 1620
 ccggcatgca gagctgcagg gtctagaggg atggatggga gacagagtcg ggaatcgagt 1680
 ctcagtggct cttgtcacct agatggcttc atttagcatc tctgggcctt ggttttctca 1740

tctataaatt gaatacagaa ccaaataaat ctacgaggtt tctgtctata aagacttgag 1800
gcagctctgc ctggagagta accattcttt tattccttta cttccttaac gatcctttca 1860
ctttagaaaa tcaataaaat taaaaataa gacttgaaat caacatatgt ctgtgaaatt 1920
cagtaggttt aagatatgaa gaaacagtct gctagttctt tctggattca aacaagtcatt 1980
cttcattaca tggataatat ttgactgtat ctatacaacc gtttctaaga gtagagacaa 2040
gcctaagagt gcgttcaggt gtgtgtctga tgggcagaag cacaaaaaat gaaagcaaatt 2100
gagaataagt ctcaaactct gtatgaccag cactgctctg tgtatttatt cttaatgact 2160
gaagttgttc atgctaccgg ccctaattgca gccgacatca ctcattagct agcacatgac 2220
ttctccagga ttccctttgc caccactgc tgacctctg atccatttac gatgctctct 2280
ctgtgttccc agagtcagcg aaaggcttga ggtgcatttg cacacgagga ttctgccgtt 2340
tggtataatg tcaccttggg tcttgcgctt tctgtggttg actccaccgg atctgctgcc 2400
gctgagcttc cagaatcaag aaaaatatgc tcagaagta ctttgagagt taaaagaaat 2460
tcttgetact gctgtacctt ctctcagtt tctttttctc atcccaaata aataccttct 2520
cgc 2523

<210> 25
<211> 2548
<212> DNA
<213> Macaca mulatta

<400> 25
gaccgctgct cttgctacag gagaccggg acagaggact gctgtctgcc ctctctcttc 60
actctgcta acttgaggat ctgtaagtaa cacaaaactt aaactttcct gtcgaggttt 120
gaacattgaa gctgtgcacc caatctgacc tgtgactcct gggccacccc agagggacct 180
agtgggtgaa tcccctgctg tgcatttctg tctgaacctc tgggggctgc tgggagcatt 240
ggctaccage tcaattaata gagaaactca agaaatttcc ttctacttac acgtgtccta 300
cttgacacgt ccaacagaga caacaatagc tctttaaacc acccttttat ttggagagaa 360

gcgatcctg ctctcggcc tatttttcaa tcaggttatt tcttatttgc tactgagttg 420
 tttgattgcc ttatgcattt agatgttcac cctttctacc acttaggggtt tgcaactatt 480
 gtctttcatt ttctgagttg ctttttctact cagttgatta tttatttgtt ggtttggttt 540
 tttgacgtgc atttgcttta gaggtcagtg cagccccact tgtctctttt cccgtttatt 600
 gcctgtgtct ttggtgtcat agcaaagata tcattaccaa catcaatgtc aaagcattat 660
 cttcatatgt tcctctcgtc gtttacgggt tcaggactat gtttgggtct tcaatccatt 720
 ttgagttgggt ttgtgaaata gatatgataa agaccacatg tatcaaacat caaatcctaa 780
 ggtggagtac agtagatata taccattttt cattcttatt catatctcta tagagctgga 840
 aatgaatttt tcagtgtaga tgaaattttg accttgatat cactgtgttc atttcaccta 900
 tcgcatgata gggtcattgt cctcttcaca ttggccccta caggaggcta cacacctcat 960
 gccttcatga gagtgatcat gcctatgatg cctgcaacaa atcactcttc acttgacagg 1020
 aaattcatgc ctgctgccag agtgtagacc catagagagt cgtggggcca tctgaaggaa 1080
 aggagacatt tgtatcctga acttactgaa caaagcactg ctgttatcct ttggtagaac 1140
 agtaaaaagt aaatatgtaa tgaagtgaga aacaggagaa agatgccagg ttcctcatct 1200
 tcaccatcct ctccatcagc acagacacta aacatagaga ttcaaactag agtgaaagct 1260
 gggagagcaa aagaagaaaa catggacatt gagaccaatg ggatcccata caatctccag 1320
 tgaaatgcac agctcctctc tctgagaagg ttcaagattt cctgtctctg agccttctct 1380
 ctgcagacat agaaatccag actaactcct ctctcccgac ttgtctgctc ctgctcttcc 1440
 tcctccaggc cagccatgag gaccttcgcc ctctcaccg ccatgcttct cctggtggcc 1500
 ctgcacgctc aggagagggc acgtcaggca agagctgatg aagctgccgc ccagcagcag 1560
 cctggagcag atgatcaggg aatgggtcat tcctttacac ggctgaaaa cgcgctctt 1620
 ccgctttcag gtgagacagg ccggcatgca gagctacagg gtctagaggg atggatggga 1680
 gacagagtcg ggaatcgagt ctcagtggtc catgtcacct agatggcttc atttagcatc 1740
 tctgggcctt ggttttctca tctataaatt gaatagagag ccaaagaagt ctaacagggt 1800

ttctgtctat aaagatttga ggcagctctg cctggagagt aaccattctt ttattccctt 1860
 acttccttaa tgatcctttc actttagaga atcaataaaa ttaaaaaata aaacttgaaa 1920
 tcaagatatg tctgtgaaat tcaagtaggt ttaagacatg aagagacagt ctgactagtt 1980
 ctttctggat tcaaacaagt catcttcatt acacggagaa tatttgactg tatctataca 2040
 accgtttcta agagtagaga caagcctaag agtgcattca ggtgtttgtg tttgatgggg 2100
 cacaggcaca aaaatgagag caaatgagaa taagtctcaa atcctgtgtg accagcacta 2160
 ctctgtgtat ttattcctac tgactgaggt tgttcatgct accggcccga atgcagctga 2220
 catccctcat tagctagcac atgacttctc caggattccc tttgtcactc actgcagacc 2280
 ttctgatcca tttatgatgc tttctctgtg tccccagagt cagcgagagg cttgaggtgc 2340
 ctttgagac gagaggttg ccaactgtta taaaggcgtt tggggtcctg cgcttttcgt 2400
 ggttgactct gccgatctg ctgccgtga gttccagaa tcaagaaaaa tacgctcaga 2460
 agttactttg agagttgaaa gaaattcctg ttactcctgt accttgcctt caatttcctt 2520
 ttctcatccc aaataaatac cttctcgc 2548

<210> 26
 <211> 132
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Construct

<400> 26
 cctggaacag atgatcaggg aatggctcat tcctttacat ggcctgaaaa cgccgtctt 60
 ccactttcag agtcagcgaa aggcttgagg tgcatttgca cacgaggatt ctgccgtttg 120
 ttataatgtc ac 132

<210> 27
 <211> 132
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Construct

<400> 27

cctggagcag atgatcaggg aatggctcat tcctttacac ggctgaaaa cgccgctctt 60
ccgctttcag agtcagcgag aggcttgagg tgcctttgca gacgaggagt ttgccaaactg 120
ttataaaggc gt 132

<210> 28

<211> 243

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (7)..(237)

<400> 28

ccagcc atg agg acc ttc gcc ctc ctc acc gcc atg ctt ctc ctg gtg 48
Met Arg Thr Phe Ala Leu Leu Thr Ala Met Leu Leu Leu Val
1 5 10
gcc ctg cac gct cag gca gag gca cgt cag gca aga gct gat gaa gct 96
Ala Leu His Ala Gln Ala Glu Ala Arg Gln Ala Arg Ala Asp Glu Ala
15 20 25 30
gcc gcc cag cag cag cct gga gca gat gat cag gga atg gct cat tcc 144
Ala Ala Gln Gln Gln Pro Gly Ala Asp Asp Gln Gly Met Ala His Ser
35 40 45
ttt aca tgg cct gaa aac gcc gct ctt cca ctt tca gag tca gcg aaa 192
Phe Thr Trp Pro Glu Asn Ala Ala Leu Pro Leu Ser Glu Ser Ala Lys
50 55 60
ggc ttg agg tgc att tgc aca cga gga ttc tgc cgt atg tta taa 237
Gly Leu Arg Cys Ile Cys Thr Arg Gly Phe Cys Arg Met Leu
65 70 75
cgtcgc 243

<210> 29

<211> 76

<212> PRT

<213> Homo sapiens

<400> 29

Met Arg Thr Phe Ala Leu Leu Thr Ala Met Leu Leu Leu Val Ala Leu

1

5

10

15

His Ala Gln Ala Glu Ala Arg Gln Ala Arg Ala Asp Glu Ala Ala Ala

20

25

30

Gln Gln Gln Pro Gly Ala Asp Asp Gln Gly Met Ala His Ser Phe Thr

35

40

45

Trp Pro Glu Asn Ala Ala Leu Pro Leu Ser Glu Ser Ala Lys Gly Leu

50

55

60

Arg Cys Ile Cys Thr Arg Gly Phe Cys Arg Met Leu

65

70

75

<210> 30

<211> 132

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Construct

<400> 30

ggacctgtgc tactagtccc ttaccgagta aggaaatgta ccggactttt gcggcgagaa 60

ggtgaaagtc tcagtcgctt tccgaactcc acgtaaacgt gtgctcctaa gacggcaaac 120

aatattacag tg

132

<210> 31

<211> 132

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Construct

<400> 31

ggacctgtgc tactagtccc ttaccgagta aggaaatgtg ccggactttt gcggcgagaa 60

ggcgaaagtc tcagtcgctc tccgaactcc acggaacgt ctgctcctca aacggttgac 120

aatatttccg ca

132

<210> 32

<211> 18

<212> PRT

<213> Macaca mulatta

<400> 32

Gly Phe Cys Arg Cys Ile Cys Thr Arg Gly Phe Cys Arg Cys Ile Cys

1

5

10

15

Thr Arg

<210> 33

<211> 18

<212> PRT

<213> Homo sapiens

<400> 33

Gly Val Cys Arg Cys Leu Cys Arg Arg Gly Val Cys Arg Cys Leu Cys

1

5

10

15

Arg Arg

<210> 34

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<223> Description of Artificial Sequence: synthetic
primer

<400> 34

Gly Val Cys Arg Cys Ile Cys

1

5